

April 11, 2003

Examiner Lori A. Clow  
Art Unit 1631  
United States Patent and Trademark Office  
Fax No. 703-746-7436

Re: Application No. <sup>09/</sup>~~10/126,349~~

Thank you for the interview today.

We enclose a citation to Dr. Cawse's book.

We look forward to receiving the next office action in this matter. In the meantime, if you have any questions or comments, please contact us.

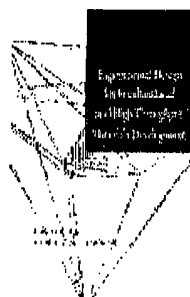
Philip D. Freedman  
Philip D. Freedman PC  
6000 Wescott Hills Way  
Alexandria, Virginia 22315-4747  
(703) 313-0171  
Fax: (703) 313-9322  
Email: [tekesq@tekesq.com](mailto:tekesq@tekesq.com)

*ordered from STIC  
4/13/03*

---

[Shopping Cart](#) [My Account](#)[Home](#) | [Browse Titles](#) | [Offers](#) | [About Wiley](#)[Product Search](#)

By Ke

[Wiley](#) > [Chemistry](#) > [Chemical Engineering](#) > [General Chemical Engineering](#) > [Experimental Design for Combinatorial and High Throughput Materials Development](#)**Related Subjects**[General Mechanical Engineering](#)[Chemical Engineering Process Development](#)[Plant Design in Chemical Engineering](#)**Related Titles****General Chemical Engineering**[Bioseparations Engineering: Principles, Practice, and Economics \(Hardcover\)](#)  
Michael R. Ladisch[Transport Phenomena, 2nd Edition \(Hardcover\)](#)  
R. Byron Bird, Warren E. Stewart, Edwin N. Lightfoot[Process Analyzer Sample-Conditioning System Technology \(Hardcover\)](#)  
Robert E. Sherman[Chemically Reacting Flow: Theory and Practice \(Hardcover\)](#)  
Robert J. Kee, Michael E. Coltrin, Peter Glarborg[Introduction to Material and Energy Balances \(Hardcover\)](#)  
G. V. Reklaitis[Join a Chemistry Mailing List](#)**General Chemical Engineering****Experimental Design for Combinatorial and High Throughput Materials Development**James N. Cawse (Editor)  
ISBN: 0-471-20343-2Hardcover  
336 Pages  
December 2002  
US \$89.95 [Add to Cart](#)**Description**

An invaluable reference to increasingly popular experimental methods

In the past decade, combinatorial and high throughput experimental methods have revolutionized the pharmaceutical industry, allowing researchers to conduct more experiments in a week than was previously possible in a year. Now high throughput experimentation is rapidly spreading from its origins in the pharmaceutical world to larger industrial research establishments such as GE and DuPont, and even to smaller companies and universities. Consequently, researchers need to know the kinds of problems, desired outcomes, and appropriate patterns for these new strategies. Editor James Cawse's far-reaching study identifies and applies, with specific examples, these important new principles and techniques. *Experimental Design for Combinatorial and High Throughput Materials Development* progresses from methods that are now standard, such as gradient arrays, to mathematical developments that are breaking new ground. The former will be particularly useful to researchers entering the field, while the latter should inspire and challenge advanced practitioners. The book's contents are contributed by leading researchers in their respective fields. Chapters include:

- \* High Throughput Synthetic Approaches for the Investigation of Inorganic Phase Space
- \* Combinatorial Mapping of Polymer Blends Phase Behavior
- \* Split-Plot Designs
- \* Artificial Neural Networks in Catalyst Development
- \* The Monte Carlo Approach to Library Design and Redesign

The text also contains over 200 useful charts and drawings. Industrial chemists, chemical engineers, materials scientists, and physicists working in combinatorial and high throughput chemistry will find James Cawse's study to be an invaluable resource.

[Printer-ready version of this page](#)[Email a friend about this product](#)